

DATE: 2/11/2010

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00096665
Solicitation #B2010000041

JEFFERSON PARISH
PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR:

BUYER: D. Nelson

BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 3/16/2010 AND PUBLICLY OPENED UPON COMPLETION OF ADMINISTRATIVE TASKS.

LATE BIDS WILL NOT BE ACCEPTED

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES DISQUALIFY BID.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS
THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. THIS BID PACKAGE MUST BE RETURNED IN ITS ENTIRETY.

Questions on this bid are to be faxed to (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH will accept one bid only from each vendor. Items bid must meet or exceed specifications.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection.

If the bid exceeds \$20,000.00 and the bidder is an agency, corporation, partnership, or other legal entity, the president, vice-president, secretary/treasurer, or an authorized agent, shall sign the proposal, and satisfactory evidence of the authority of the person signing for the agency, corporation, partnership, or other legal entity shall be attached to the proposal.

AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

Visit our website at WWW.JEFFPARISH.NET/BIDS

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

JEFFERSON PARISH requires a firm price. Quoted price will remain firm until _____

PRICES: Jefferson Parish is exempt from paying sales tax under LSA-RS 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. If a contractor is to act as Purchasing Agent for tax-exempt purposes, the Parish shall specifically state so within this bid specification. All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A117.1-1961).

RESPONSE TO INVITATION: If your company is unable to bid on this request, please state your reason on bid form, and return to this office before bid opening date. Failure to do so may result in the removal of your company from Jefferson Parish's vendors list.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 105529 or 105530 dated 5/17/06. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053.

POSTING OF BIDS: Non-Advertised bids will be posted on bulletin board in Suite 4400, Jefferson Parish General Government Building, Gretna, LA, for a period of Five (5) working days after opening date.

Advertised bids will be tabulated and a copy forwarded to each responsive bidder.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

1,2,3,5,6,7,8,9,10,11,12,13,14,15

1. All bidders are invited to attend the pre-bid conference. Failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. This conference is held to allow questions to be answered and inspect the site with owner's representative, etc. Failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification (with no additional cost to the owner).
2. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project.
3. A Louisiana state contractor's license may be required in accordance with LSA-R.S. 37:2150 et seq.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
5. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
6. All awards in excess of \$5,000.00 for the construction, alteration, or repair of any public works will be reduced to a formal contract which shall be recorded at the contractor's expense. A price list of recordation costs may be obtained from the Clerk of Court and Ex-officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 reduced to formal contract will require a performance bond.
7. A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. Performance bond shall be supplied at the signing of the contract.
8. Please indicate if you have insurance: YES _____ NO _____
Successful bidder will be required to furnish proof of insurance to this office.
Successful bidder will be required to furnish Federal I.D. Number.
9. Minimum insurance requirements for this bid are as indicated on the attached sheet.
10. Each bid must be accompanied by a cashier's check, certified check, money order, or surety bid bond in the amount of 5% of the bid.
11. Affidavit required to be submitted with bids on all solicitations for construction, alteration or demolition of public building or project. (LSA-R.S. 38:2224)
12. This is a requirements contract to be provided on an as needed basis.
13. All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO _____

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

14. In the event that the successful bidder cannot furnish a specific item or material and labor in the required time, JEFFERSON PARISH may purchase on an emergency basis from the next lowest bidder, or available source, until such time as the successful bidder has notified the PARISH in writing that his stock or labor capability has been replenished. The difference in price will be charged against the successful bidder of this contract, and evidence of purchases and price will be provided.
15. Vendor will be required to submit to the chief buyer of the JEFFERSON PARISH Purchasing Department a quarterly usage report by item of all items listed on this proposal.
16. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be disqualified if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES _____

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK _____

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

***** ALL BIDDERS MUST COMPLETE SECTION BELOW *****

FIRM NAME: _____

SIGNATURE: _____

TITLE: _____

(Must be signed here)

PRINT OR TYPE NAME: _____

ADDRESS: _____

CITY, STATE: _____

ZIP: _____

TELEPHONE: _____

FAX: _____

()

()

EMAIL ADDRESS: _____

TOTAL PRICE OF ALL BID ITEMS: \$ _____

THIS BID MUST BE SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE COMPANY/FIRM FOR BID TO BE VALID. BID PACKAGE, INCLUDING INSTRUCTIONS AND SPECIFICATIONS, MUST BE RETURNED IN ITS ENTIRETY FOR BID TO BE VALID. SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the bid number and bid opening date indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			<p>TWO YEAR CONTRACT FOR WATER LINE POINT REPAIR FOR JEFFERSON PARISH EAST AND</p> <p>WEST BANKS, TO INCLUDE GRAND ISLE AND ALL JEFFERSON PARISH AGENCIES AND MUNICIPALITIES OF JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS - WATER</p> <p>*****PRE-BID CONFERENCE***** DATE: MARCH 2, 2010 TIME: 10:00 A.M. LOCATION: JEFFERSON PARISH PURCHASING DEPARTMENT GENERAL GOVERNMENT BUILDING 200 DERBIGNY STREET SUITE 4400 GRETN, LOUISIANA *****</p>		
1	250	LF	0010 - INSTALLING 3/4 IN., 1 IN. OR 2 IN. POLYETHYLENE (PVC) PIPE(0 FT - 3 FT DEEP) BEYOND THE SCOPE OF THE METER INSTALLATION		
2	15	EA	0020 - REPAIR 2 IN. WATER LINE WITH MANIFOLD CONNECTION, WHICH WILL BE PAID AT THE RATE OF 2 IN. LINE REPAIR (DETAIL NUMBER 3.1)		
3	100	EA	0030 - REPAIR 4 IN. - 6 IN. WATER MAIN (DETAIL NUMBER 3.1)		
4	80	EA	0040 - REPAIR 8 IN. WATER MAIN (DETAIL NUMBER 3.1)		
5	2	EA	0050 - REPAIR 10 IN. WATER MAIN (DETAIL NUMBER 3.1)		
6	30	EA	0060 - REPAIR 12 IN. WATER MAIN (DETAIL NUMBER 3.1)		
7	5	EA	0070 - REPAIR 14 IN. WATER MAIN (DETAIL NUMBER 3.1)		
8	5	EA	0080 - REPAIR 16 IN. WATER MAIN (DETAIL NUMBER 3.1)		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
9	1	EA	0090 - REPAIR 18 IN. WATER MAIN (DETAIL NUMBER 3.1)		
10	1	EA	0100 - REPAIR 20 IN. WATER MAIN (DETAIL NUMBER 3.1)		
11	1	EA	0110 - REPAIR 24 IN. WATER MAIN (DETAIL NUMBER 3.1)		
12	1	EA	0120 - REPAIR 30 IN. WATER MAIN (DETAIL NUMBER 3.1)		
13	1	EA	0130 - REPAIR 36 IN. WATER MAIN (DETAIL NUMBER 3.1)		
14	1	EA	0140 - REPAIR 16 IN. P.C.C.P. WATER MAIN BY POINT REPAIR (DETAIL NUMBER 3.3)		
15	1	EA	0150 - REPAIR 18 IN. P.C.C.P. WATER LINE BY POINT REPAIR (DETAIL NUMBER 3.3)		
16	1	EA	0160 - REPAIR 20 IN. P.C.C.P. WATER MAIN BY POINT REPAIR (DETAIL NUMBER 3.3)		
17	1	EA	0170 - REPAIR 24 IN. P.C.C.P. WATER MAIN BY POINT REPAIR (DETAIL NUMBER 3.3)		
18	1	EA	0180 - REPAIR 30 IN. P.C.C.P. WATER MAIN BY POINT REPAIR (DETAIL NUMBER 3.3)		
19	1	EA	0190 - REPAIR 36 IN. P.C.C.P. WATER MAIN BY POINT REPAIR (DETAIL NUMBER 3.3)		
20	1	EA	0200 - REPAIR 42 IN. P.C.C.P. WATER MAIN BY POINT REPAIR (DETAIL NUMBER 3.3)		
21	1	EA	0210 - REPAIR 48 IN. P.C.C.P. WATER MAIN BY POINT REPAIR (DETAIL NUMBER 3.3)		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
22	1	EA	0220 - REPAIR 54 IN. P.C.C.P. WATER MAIN BY POINT REPAIR (DETAIL NUMBER 3.3)		
23	1	EA	0230 - REPAIR 60 IN. P.C.C.P. WATER MAIN BY POINT REPAIR (DETAIL NUMBER 3.3)		
24	30	EA	0240 - EXTRA WORK TO REPAIR WATER LINE/ SERVICE LINE UNDER TREE (DETAIL NUMBER 3.2)		
25	15	TN	0250 - (INSTALLED) DUCTILE IRON FITTINGS (DETAIL NUMBER 3.4)		
26	50	LF	0260 - WELDING REPAIR (DETAIL NUMBER 3.5)		
27	5	LF	0280 - RECAULK EXISTING LEAD JOINT AND INSTALL BELL JOINT CLAMP 4 IN. - 8 IN. (DETAIL NUMBER 3.5A)		
28	15	LF	0290 - RECAULK EXISTING LEAD JOINT AND INSTALL BELL JOINT CLAMP - 12 IN.-24 IN. (DETAIL NUMBER 3.5A)		
29	2	LF	0300 - RECAULK EXISTING LEAD JOINT AND INSTALL BELL JOINT CLAMP -30 IN.- 36 IN. (DETAIL NUMBER 3.5A)		
30	10	BDFT	0310 - ADDITIONAL SHEETING, BRACING, AND FOUNDATION LUMBER (AS DIRECTED) (DETAIL NUMBER 3.6)		
31	600	FT	0320 - ADDITIONAL TEMPORARY STEEL SHEETING (DETAIL NUMBER 3.7)		
32	500	FT	0330 - LEFT IN PLACE ADDITIONAL STEEL SHEETING (DETAIL NUMBER 3.8)		
33	100	CUYD	0340 - ADDITIONAL EXCAVATION (DETAIL NUMBER 3.11)		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
34	7	EA	0350 - ADJUSTING WATER MAINS (DETAIL NUMBER 3.21) P.V.C. OR DUCTILE 4 IN. - 6 IN.		
35	5	EA	0360 - ADJUSTING WATER MAINS (DETAIL NUMBER 3.21) P.V.C. OR DUCTILE - 8 IN.		
36	1	EA	0370 - ADJUSTING WATER MAINS (DETAIL NUMBER 3.21) - P.V.C. OR DUCTILE - 10 IN.		
37	2	EA	0380 - ADJUSTING WATER MAINS (DETAIL NUMBER 3.21) P.V.C. OR DUCTILE - 12 IN.		
38	1	EA	0390 - ADJUSTING WATER MAINS (DETAIL NUMBER 3.21) - P.V.C. OR DUCTILE - 14 IN.		
39	1	EA	0400 - ADJUSTING WATER MAINS (DETAIL NUMBER 3.21) - P.V.C. OR DUCTILE - 16 IN.		
40	1	EA	0410 - ADJUSTING WATER MAINS (DETAIL NUMBER 3.21) - P.V.C. OR DUCTILE - 18 IN.		
41	1	ONLY	0420 - ADJUSTING WATER MAINS (DETAIL NUMBER 3.21) - P.V.C. OR DUCTILE - 20 IN. and 24 IN.		
42	8	EA	0430 - REMOVE EXISTING R.D. WOOD FIRE HYDRANT, AND REPLACE WITH NEW INSERT FURNISHED BY JEFFERSON PARISH (DETAIL NUMBER 3.23)		
43	250	EA	0440 - INSTALL HYDRANT ASSEMBLY COMPLETE FURNISHED BY PARISH (DETAIL NUMBER 3.47)		
44	40	EA	0450 - REPLACE HYDRANT AS IN ITEM 0440 ABOVE WITHOUT TEE (DETAIL NUMNRT 3.48)		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
45	10	EA	0460 - RAISE FIRE HYDRANT BY INSTALLING EXTENSION ABOVE GROUND INSERT 6 IN, 12 IN, 18 IN, OR 24 IN (TO BE FURNISHED BY THE PARISH)		
46	500	LF	0470 - DIRECTIONAL BORE OF HDPE (DETAIL NUMBER 6.6) 6 IN., 8 IN., 10 IN.		
47	500	LF	0480 - DIRECTIONAL BORE OF HDPE (DETAIL NUMBER 6.6) 12 IN, 14 IN, 18 IN		
48	3	EA	0490 - RELOCATE FIRE HYDRANTS USING EXISTING TEE AND HYDRANT, AND RESTORE SITES (DETAIL NUMBER 3.42)		
49	10	EA	0500 - REPLACE WATER VALVE, 2 IN, 3 IN, 4 IN. (DETAIL NUMBER 3.24)		
50	175	EA	0510 - REPLACE WATER VALVE , 6 IN, 8 IN (DETAIL NUMBER 3.24)		
51	1	EA	0520 - REPLACE WATER VALVE - 10 IN. (DETAIL NUMBER 3.24)		
52	12	EA	0530 - REPLACE WATER VALVE - 12 IN. (DETAIL NUMBER 3.24)		
53	10	EA	0540 - REPLACE WATER VALVE - 14 IN. (DETAIL NUMBER 3.24)		
54	3	EA	0550 - REPLACE WATER VALVE - 16 IN. (DETAIL NUMBER 3.24)		
55	3	EA	0560 - REPLACE WATER VALVE - 18 IN. (DETAIL NUMBER 3.24)		
56	3	EA	0570 - REPLACE WATER VALVE - 20 IN. (DETAIL NUMBER 3.24)		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
57	1	EA	0580 - REPLACE WATER VALVE - 24 IN. (DETAIL NUMBER 3.24)		
58	1	EA	0590 - REPLACE WATER VALVE - 30 IN. (DETAIL NUMBER 3.24)		
59	1	EA	0600 - REPLACE WATER VALVE - 36 IN. (DETAIL NUMBER 3.24)		
60	1	EA	0610 - REPLACE WATER VALVE - 42 IN. (DETAIL NUMBER 3.24)		
61	1	EA	0620 - REPLACE WATER VALVE - 48 IN, 54 IN, AND 60 IN. (DETAIL NUMBER 3.24)		
62	2	EA	0630 - INSTALL TAPPING SLEEVE AND VALVE AND PIPE TAP (DETAIL NUMBER 3.26) - 4 IN		
63	1	EA	0640 - INSTALL TAPPING SLEEVE AND VALVE, AND PIPE TAP (DETAIL NUMBER 3.26) - 6 IN		
64	2	EA	0650 - INSTALL TAPPING SLEEVE AND VALVE, AND PIPE TAP (DETAIL NUMBER 3.26) - 8 IN		
65	1	EA	0660 - INSTALL TAPPING SLEEVE AND VALVE, AND PIPE TAP (DETAIL NUMBER 3.26) -10 IN		
66	2	EA	0670 - INSTALL TAPPING SLEEVE AND VALVE, AND PIPE TAPE (DETAIL NUMBR 3.26) -12 IN		
67	900	EA	0680 - CLOSE AND OPEN WATER VALVES (DETAIL NUMBER 3.25)		
68	200	EA	0690 - INSTALLATION OF VALVE BOX (DETAIL NUMBER 3.27)		
69	25	EA	0700 - ADD EXCAVATING VALVE BOX TO MAIN FINDING VALVE		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
70	10	EA	0710 - JACK AND BORE FOR LONG CONNECTION WATER SERVICE, 3/4 IN, 1 IN		
71	2	EA	0720 - JACK AND BORE FOR LONG CONNECTION WATER SERVICE - 2 IN.		
72	25	LF	0730 - JACK AND BORE 4 IN. WATER LINE WITH 16 IN. CASING (DETAIL NUMBER 3.41)		
73	25	LF	0740 - JACK AND BORE 6 IN. WATER LINE WITH 20 IN. CASING (DETAIL NUMBER 3.41)		
74	50	LF	0750 - JACK AND BORE 8 IN. WATER LINE WITH 24 IN. CASING (DETAIL NUMBER 3.41)		
75	75	LF	0760 - JACK AND BORE 12 IN. WATER LINE WITH 24 IN. CASING (DETAIL NUMBER 3.41)		
76	25	LF	0770 - JACK AND BORE 4 IN. WATER LINE WITHOUT CASING (DETAIL NUMBER 3.40)		
77	25	LF	0780 - JACK AND BORE 6 IN. WATER LINE WITHOUT CASING (DETAIL NUMBER 3.40)		
78	50	LF	0790 - JACK AND BORE 8 IN. WATER LINE WITHOUT CASING (DETAIL NUMBER 3.40)		
79	25	LF	0800 - JACK AND BORE 12 IN. WATER LINE WITHOUT CASING (DETAIL NUMBER 3.40)		
80	30	EA	0810 - RENEWING EXISTING LONG SERVICE (3/4 IN - 1 IN) FROM THE WATER LINE TO THE WATER METER (DETAIL NUMBER 3.45)		
81	3	EA	0820 - RENEWING EXISTING LONG SERVICE 2 IN. FROM THE WATER LINE TO WATER		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			METER (DETAIL NUMBER 3.45)		
82	20	EA	0830 - RENEWING EXISTING SHORT SERVICE (3/4 IN, 1 IN) FROM THE WATER LINE TO THE WATER METER BY POINT REPAIR (DETAIL NUMBER 3.45)		
83	55	EA	0840 - INSTALLING (3/4 IN, 1 IN, OR 2 IN) TAP		
84	3	EA	0850 - RENEWING EXISTING SHORT SERVICE (2 IN) FROM THE WATER LINE TO THE WATER METER BY POINT REPAIR (DETAIL NUMBER 3.45)		
85	90	EA	0860 - REPAIR 3/4 IN. OR 1 IN. SERVICE LINE (DETAIL NUMBER 3.43)		
86	75	EA	0870 - INSTALL 3/4 IN., 1 IN., AND 2 IN. METER SHORT SIDE INCLUDE EXCAVATING TO THE MAIN, TAP, SERVICE LINE FROM MAIN TO METER INSTALLING METER AND METER BOX (DETAIL NUMBER 3.38)		
87	75	EA	0880 - INSTALL 3/4 IN., 1 IN. METER LONG SIDE INCLUDING EXCAVATION TO THE MAIN, TAP, BORE SERVICE LINES FROM MAIN TO METER, INSTALLING METER & METER BOX (DETAIL NUMBER 3.37)		
88	10	EA	0890 - TRANSFERRING SHORT SERVICES FROM EXISTING WATER LINE TO NEW WATER LINE (DETAIL NUMBER 3.44)		
89	3	EA	0900 - TRANSFERRING LONG SERVICES FROM EXISTING WATER LINE TO NEW WATER LINE (DETAIL NUMBER 3.44)		
90	10	CUYD	0910 - TOP SOIL (DETAIL NUMBER 3.36)		
91	25	EA	0920 - REPLACE WATER METER BOXES (2 IN. AND SMALLER) (DETAIL NUMBER 3.29)		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
92	5	EA	0930 - REPLACE WATER METERS (2 IN. AND SMALLER) (DETAIL NUMBER 3.30)		
93	10	EA	0940 - REPLACE AND INSTALL WATER METER AND BY-PASS ASSEMBLY (3 IN. AND LARGER) (DETAIL NUMBER 3.31)		
94	2	EA	0950 - ADJUST HORIZONTAL LAYING LENGTH (2 IN. AND SMALLER) METERS (DETAIL NUMBER 3.32)		
95	2	EA	0960 - ADJUST HORIZONTAL LAYING LENGTH (3 IN. AND LARGER) METERS (DETAIL NUMBER 3.33)		
96	2	EA	0970 - INSTALL (OR REPLACE) WATER METER BOX ONLY (FOR 3 IN. METER AND LARGER) IN A GRASS AREA. (DETAIL NUMBER 3.29-A)		
97	2	EA	0980 - INSTALL WATER METER BOX ONLY FOR A 3 IN. METER OR 4 IN. METER IN A DRIVEWAY LOCATION (DETAIL NUMBER 3.29-B)		
98	1	EA	0990 - INSTALL WATER METER BOX ONLY FOR A 6 IN. METER OR LARGER IN A DRIVEWAY LOCATION (DETAIL NUMBER 3.29-C)		
99	2	EA	1000 - CONSTRUCT METER BOXES (3 IN. AND LARGER) (DETAIL NUMBER 3.34)		
100	15	EA	1010 - RELOCATING WATER METERS (3/4 IN., 1 IN.) TO THE PROPERTY SIDE OF THE SIDEWALK AND RESTORE SITE TO ORIGINAL CONDITIONS (DETAIL NUMBER 3.39)		
101	1	EA	1020 - RELOCATING WATER METERS (2 IN.) TO THE PROPERTY SIDE OF THE SIDEWALK, RESTORE SIDEWALK TO ORIGINAL CONDITION (DETAIL NUMBER 3.39)		
102	5	EA	1030 - INSTALL 2 IN. METER SHORT METER INCLUDING EXCAVATION TO THE MAIN, TAP		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			SERVICE LINE FROM MAIN TO METER, INSTALLING METER AND METER BOX (DETAIL NUMBER 3.38)		
103	3	EA	1040 - INSTALL 2 IN. METER LONG INCLUDING EXCAVATION TO THE MAIN, TAP, BORE SERVICE FROM MAIN TO METER, INSTALLING METER AND METER BOX (DETAIL NUMBER 3.37)		
104	1	EA	1050 - TO FURNISH LABOR TO INSTALL HYDRA STOP FITTINGS, TAP PIPE, AND MAKE MAKE CLOSURE WITH HYDRAULIC RAM FOR SIZES 4 IN. - 12 IN. (DETAIL 10.1-10.2)		
105	2	EA	1060 - TO FURNISH LABOR TO INSTALL HYDRA STOP FITTINGS, TAP PIPE, AND MAKE CLOSURE WITH HYDRAULIC RAM FOR SIZES 14 IN. - 16 IN. (DETAIL 10.1-10.2)		
106	150	LF	1070 - INSTALL 6 IN. PVC OR DUCTILE PIPE (DETAIL NUMBER 3.46)		
107	500	LF	1080 - INSTALL 8 IN. PVC OR DUCTILE PIPE (DETAIL NUMBER 3.46)		
108	5	LF	1090 - INSTALL 10 IN PVC OR DUCTILE PIPE (DETAIL NUMBER 3.46)		
109	150	LF	1100 - INSTALL 12 IN PVC OR DUCTILE PIPE (DETAIL NUMBER 3.46)		
110	5	LF	1110 - INSTALL 14 IN PVC OR DUCTILE PIPE (DETAIL NUMBER 3.46)		
111	5	LF	1120 - INSTALL 16 IN PVC OR DUCTILE PIPE (DETAIL NUMBER 3.46)		
112	500	CUYD	1130 - ADDITIONAL GRANDULAR MATERIAL (VEHICULAR MEASURE) (DETAIL NUMBER 3.9)		
113	500	CUYD	1140 - ADDITIONAL LIMESTONE (VEHICULAR MEASURE) (DETAIL NUMBER 3.10)		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
114	350	SQYD	1150 - REMOVE PCC ROADWAY (DETAIL NUMBER 3.12)		
115	500	SQYD	1160 - REMOVE AND REPLACE PCC ROADWAY (9 IN. THICK) (DETAIL NUMBER 3.12)		
116	500	LF	1170- CONCRETE SAW MACHINE/OPERATOR CUT TO A DEPTH OF FOUR (4) INCHES (DETAIL NUMBER 3.35)		
117	100	SQYD	1180 - REMOVE ASPHALTIC CONCRETE ROADWAY (DETAIL NUMBER 3.13)		
118	500	SQYD	1190 - PLACE AND COMPACT 4 IN. ASPHALT CONCRETE FOR TEMPORARY ROADWAY RESTORATION		
119	200	SQYD	1200 - TOPPING TEMPORARY ASPHALT WITH WEARING COURSE 2 IN.		
120	1000	SQYD	1210 - REMOVE AND REPLACE ASPHALTIC CONCRETE ROADWAY (DETAIL NUMBER 3.13)		
121	75	LF	1220 - REMOVE CONCRETE CURB AND GUTTER		
122	50	LF	1230 - REMOVE AND REPLACE CONCRETE CURB AND GUTTER (DETAIL NUMBER 3.14)		
123	300	LF	1240 - REPLACE CONCRETE CURB (DETAIL NUMBER 3.14)		
124	50	EA	1250 - INSTALL MANHOLES (DETAIL NUMBER 3.17)		
125	4	VF	1260 - WATER VALVE MANHOLES (DETAIL NUMBER 3.16)		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
126	3000	SQYD	1270 - SLAB SODDING (DETAIL NUMBER 3.18)		
127	1000	SQYD	1280 - REMOVE AND REPLACE CONCRETE DRIVEWAY (6 IN. THICK) (DETAIL NUMBER 3.19)		
128	50	SQYD	1290 - REMOVE AND REPLACE CONCRETE DRIVEWAYS (6 IN. THICK WITH WASH GRAVEL FINISH) (DETAIL NUMBER 3.19)		
129	3	SQYD	1300 - REMOVE AND REPLACE CONCRETE DRIVEWAYS (6 IN. THICK WITH BRICK TO MATCH) (DETAIL NUMBER 3.19)		
130	650	SQYD	1310 - REMOVE AND REPLACE CONCRETE SIDE- WALK (4 IN. THICK TO MATCH EXISTING) (DETAIL NUMBER 3.20)		
131	5	SQYD	1320 - REMOVE AND REPLACE BRICK SIDEWALKS (TO MATCH EXISTING) (DETAIL NUMBER 3.20)		
132	3	SQYD	1330 - REMOVE AND REPLACE STONE SIDEWALKS (TO MATCH EXISTING) (DETAIL NUMBER 3.20)		
133	5	SQYD	1340 - REMOVE AND REPLACE CONCRETE SIDEWALK WITH WASH GRAVEL FINISH (DETAIL NUMBER 3.20)		
134	65	SQYD	1350 - REPLACING STANDARDIZED HANDICAPPED SIDEWALK INTERSECTION (CURB AND RAMP INCLUDED)		
135	50	DAY	1360 - PICK-UP TRUCK - 1/2 TON		
136	3	DAY	1370 - DUMP TRUCK 1 REAR AXEL		
137	50	DAY	1380 - DUMP TRUCK - 2 REAR AXELS		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
138	20	DAY	1390 - WELDING/MECHANIC/CREW TRUCK		
139	15	DAY	1400 - TOOL TRAILERS		
140	15	DAY	1410 - UTILITY TRAILERS 6 X 12 W/RAMPS TILT TRAILER		
141	8	DAY	1420 - CHAIN SAW		
142	5	DAY	1430 - ALL PURPOSE SAW		
143	2	DAY	1440 - AIR COMPRESSORS 185 CFM DIESEL		
144	2	DAY	1445 - WELDING MACHINES - 300 AMP DIESEL		
145	10	DAY	1446 - PUMP 4 IN.- 8 IN.		
146	5	DAY	1447 - PUMP 10 IN.- 12 IN.		
147	30	DAY	1480 - BACKHOE (BACKHOE RATES INCLUDE DIGGING BUCKETS.) - TRACTOR LOADER 1/4/ CY - JD310		
148	18	DAY	1490 - BACKHOE (BACKHOE RATES INCLUDING DIGGING BUCKETS.) CAT 312 TRACK		
149	2300	HR	1500 - LABORER		
150	820	HR	1510 - OPERATOR		
151	810	HR	1520 - TEAMSTER/TRUCK DRIVER		
152	3	HR	1530 - CARPENTER		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00096665

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
153	75	HR	1540 - PIPEFITTER/WELDER		
154	800	HR	1550 - FOREMAN		
155	100	HR	1560 - SUPERINTENDENT		
156	1	JOB	1570 - 9000 POINT REPAIR UNFORESEEN WORK REPAIR CONTRACT OF REPLACEMENT AND POINT REPAIR OF WATERLINES AND WATER METERS. THIS ITEM SHALL NOT BE INCLUDED IN THE TOTAL BID PRICE OF ALL ITEMS QUOTED AND IS TO BE USED AS A REFERENCE TO PROCESS INVOICES BY PURCHASING DIVISION UPON THE AUTHORIZATION BY THE COUNCIL VIA THE RESOLUTION PREPARED BY THE BID AWARD. THE LUMP SUM AMOUNT OF THIS ITEM IS NOT GIVEN HEREIN. HOWEVER, THIS LUMP SUM AMOUNT WILL BE INDICATED IN SAID DEPARTMENTAL RESOLUTION.		
157	30	DAY	1580 - MOB/DEMOB - GRAND ISLE THIS WILL BE A DAILY ADDITIVE TO INVOICE AMOUNT FOR EACH DAY WORK IS PERFORMED IN GRAND ISLE ONLY, WHETHER CONTRACTOR COMMUTES TO ISLAND OR STAYS ON ISLAND DURING THE PERIOD OF WORK IF MORE THAN ONE DAY. NO OTHER ADDITIONAL REIMBURSE- MENTS RELATED TO GRAND ISLE WORK WILL BE PAID, I.E., HOTELS, MEALS, MILEAGE, ETC.		

POINT REPAIR ANNUAL CONTRACT

Bid Number 50-96665

Solicitation #B2010000041

DIVISION I

1.0 General Conditions:

1.1 Scope of contract work: The purpose of this contract is to provide means to perform emergency replacement and repair of existing waterlines and work incidental thereto to supplement existing Water Department work crews on day to day maintenance and emergency repairs. The project is high priority jobs and in dealing with public safety of water supplies it is vital to insure that the citizens of Jefferson Parish are supplied a safe and sanitary potable water supply without unnecessary interruption. These replacements/repairs will be done on an as-needed basis only and no minimum expenditure is guaranteed under this contract. Payment for work performed shall be on a unit price basis. Actual quantities used may fall below or exceed the estimated quantities listed on the bid form. It is intended to issue work orders as needed to perform repairs at various locations on the East and West banks of Jefferson Parish. The Jefferson Parish Department of Water will provide the use of the property at 200 Arnoult Road for the convenience of the contractor. This property shall be maintained for the duration of the contract by the contractor, i.e. material neatly stacked and sorted away from any spoil, grass/weeds cut on regular basis, etc. All work covered under this contract must conform to Jefferson Parish Engineering Department standard details sheets available in the Jefferson Parish Engineering Department.

The contractor is made aware that, because of the nature of this contract, it may be necessary to make repairs on emergency 24 hours, seven (7) day a week, at night, week-ends and holidays. However, there will be no extra compensation for these repairs during these events. Any work done after 3:30 pm, weekends and holidays will be considered premium time and is paid an additional one half (1/2) hour for every labor hour worked. There will be no premium time for equipment. The contractor must have two (2) contact employees, one primary and one backup, on a 24 hour basis available to coordinate work initiation. Contact phone number list to be updated as needed.

The Parish will furnish all permanent pipeline materials; i.e., pipes, valves, fittings, sleeves, meters, valve boxes, fire hydrants, etc., with the exception of material required for HDPE pipe installation and any other unforeseen required purchases. Repair materials that are needed on the job and are not available in Parish stocks at the time of repair and are not included as bid items may be furnished by the Parish through regular or emergency Parish requisitions and/or may be furnished by the contractor at his actual face value cost. These third party invoices shall be attached to the contractor's billing invoice for payment.

The actual face value cost shall cover the manufacturer's cost (or supplier's cost) plus shipment cost by others, subject to Parish's approval. Invoices shall be submitted to the Parish prior to payment. This contract is a labor intensive type contract; therefore, contractors should consider all matters of labor and overhead and build his necessary profit into his prices for repairing water

lines. Repair materials which are used on the job shall be paid at the contractor's actual face value cost. The cost of any incidental drayage between the local supply vendor and the job site will not be considered a pay item.

The contractor will furnish all labor, equipment, disposable materials, sheeting, bracing, bedding, backfill material, brick mortar, concrete for restoration, including valve pad installations.

In addition, the successful lowest responsible bidder may be required to have at least one (1) employee that possesses a current LDHH Class IV operator's license for water distribution systems for each working crew. Also, the successful low bidder must have a minimum of two (2) certified welders/pipe fitters (sub-contracted employees are not permissible). The bidder must submit, with their bid, a list of proposed welder/pipe fitters with relevant certifications. Said welders/pipe fitters must have previous experience repairing, welding and fitting pre-stressed concrete cylinder pipe (pccp).

The contractor must have the ability and resources to fabricate fittings (pccp, ductile iron) for repair of water mains. This fabrication will lessen down time when these fittings cannot be purchased and delivered from a supply house in an emergency situation. The maximum allowable time will be 24 hours.

1.2 Louisiana license requirements. State regulations require that any prospective bidder on construction contracts of \$50,000.00 or greater possess the proper Louisiana contractor's license before he will be allowed to acquire copies of bidding documents in accordance with Louisiana contractors r.s. 37:2150. This required license category is **Heavy Construction**.

A performance bond in the amount of \$1,250,000.00 will be required. Contractors must submit proof of currently having a bonding agency or have the ability to bond. Proof must be submitted with the bid. Failure to do so will result in the bid being considered non-responsive.

The successful contractor performing services under the terms of the contract shall, by entering said contract, waive jurisdiction and venue and submit to the jurisdiction of the district courts for the Parish of Jefferson, regardless of the contractor's residence or domicile.

1.3 Familiarization with the work. Before submitting his bid, each prospective bidder shall familiarize himself with the work, local labor conditions and all laws, regulations and other factors affecting performance of the work. He shall carefully correlate his observations with the requirements of the contract documents and otherwise satisfy himself of the expense and difficulties for performance of the work. The submission of a bid will constitute a representation of compliance by the bidder. There will be no subsequent financial adjustment for lack of such familiarization.

1.4 Pre-bid conference. A pre-bid conference will be held in the Jefferson Parish Purchasing Department, General Government Building, 200 Derbigny Street, Suite 4400, Gretna, Louisiana on TUESDAY, MARCH 2, 2010 at 10:00 a.m. A Parish (owner)

representative will be present to discuss the contract specification questions. It is strongly recommended that all bidders attend and participate in the pre-bid conference.

1.5 Contract time. The contract time is for two (2) years

1.6 Subcontractors. All bidders wishing to use the services of sub-contractors must submit, with their bid, a complete list of all sub-contractors. Failure to submit a sub-contractor list will result in bid rejection.

1.7 Subcontractor qualifications.

The contractor may complete his bid by utilization of subcontractors: however no payment will be made by Jefferson Parish to the subcontractor for any work performed under the terms of this contract. The contractor assumes all responsibility for the work performed by his subcontractor(s). Under the terms of this contract, subcontractor effort shall be limited to a maximum of twenty-five percent (25%) of total work performed. Additionally, all subcontract work shall be governed by all provisions of this contract. The bidder shall submit the following information with his bid:

A. A designation of the work to be performed with his own forces.

B. A list of names of the subcontractors proposed by the contractor for work to be performed under the terms of this contract.

Prior to the award of the contract the contract administrator will notify the bidder if Jefferson Parish, after due consideration and investigation, has reasonable and substantial objection to any person or organization on the successful contractor's list of proposed subcontractors. The bidder will then be allowed to submit substitute subcontractor/subcontractors acceptable to Jefferson Parish.

1.8 Work scheduling.

Because of the nature of this contract, it may be necessary for the contractor to respond to emergencies immediately upon notification within one (1) hour of call out. After normal work hours, weekend and holidays premium time will begin for contract personnel upon notification of emergency. Premium time will begin for crew upon their arrival on site with adequate equipment to begin repair. Premium time will end upon completion of repair. No travel time included.

The contractor will be issued a work order to proceed with a "point repair" or other item of work and at that time be furnished with the approximate location and general description of the work to be done. This will be done through a daily "issuance report" faxed to the contractor or verbally by Parish representative with issuance report to follow.

The work orders shall be prioritized and work shall commence as follows: emergency work orders shall commence immediately and the contractor shall respond to the site of the work within one (1) hour. Emergency response will be directed by Water Department personnel; all others within 48 hours of issuance or as directed.

Failure of the contractor to meet the above time constraints will result in the following:

- A. Have the work performed by others and back charged to the contractor: or
- B. Persistent failure of the contractor to meet the response deadlines (3 occurrences or more) may lead to contract termination. Notification of deficient performance will be by certified mail.

The failure of Jefferson Parish to assert a breach for the failure of the contractor to perform at anytime shall not be construed to be a waiver of Jefferson Parish's rights hereunder.

Each work order will be designated by specific w/o number, all correspondence, billing, etc., shall reflect that w/o number. The contractor shall provide the approved three part (ncr) invoice to be used to bill each w/o. These invoices are to be completed by contractor personnel and approved by Parish personnel for payment.

The contractor shall furnish the Parish a weekly log in spread sheet form indicating the following: work order number, date work order received, work location (street address), scheduled start date, actual start date, actual repair completion date, actual restoration completion date, and cost. This log shall be provided at monthly progress meetings to be held among representatives of the contractor and Jefferson Parish personnel in order to allow the Parish to monitor progress and coordinate activities related to this contract.

If the contractor does not diligently proceed with the work then the issuance of additional work orders will be withheld.

1.9 Work on private property. The contractor shall be aware that his work will be performed adjacent to private property. The contractor shall avoid use of private property by either personnel, equipment, spoil, etc. unless permission is obtained by property owner. The contractor shall notify by door tags, prior to the start of work in the area, all property owners adjacent to and along the route of construction. The door tag shall include names and telephone numbers for key personnel so that property owners can report problems. These contact telephone numbers shall be given so that appropriate personnel can be contacted 24 hours a day, seven (7) days a week.

1.10 Notification of work intended. The contractor shall make every attempt to notify all adjacent property owners of his intended work. Under no circumstances shall the water service be interrupted without first notifying all affected users. In the event that an "emergency closure" is required, contractor shall provide personnel to begin notification while closure is underway. Contractor shall notify all water customers when water is being shut off by door hangers or verbal contact. Prior to shut off appropriate Parish personnel shall be notified by contractor.

East Bank M-50 838-4315/West Bank M-51 437-4979/For after hours, holidays, and weekends – East Bank Plant – 838-4363/West Bank Plant – 349-5081.

1.11 Site condition survey. The contractor shall conduct a thorough survey of the entire job route. This survey should be adequate as to ascertain pre-construction/repair and post-construction/repair conditions of all public and private property within and adjacent to the construction/repair limits. Site photographs shall be taken prior to and after completion of construction/repair project. Sufficient photographs shall be provided by the contractor and submitted to the Parish to resolve any damage claims which may arise due to the construction/repair of this project. Lack of pre-repair photos could result in claims having to be paid totally by the contractor. All costs associated with this survey shall be paid by the contractor.

1.12 Qualifications of bidders. Bidders may be required to submit evidence that they have a practical knowledge of the particular work bid upon, and that they have substantial labor and equipment to satisfactorily complete the work orders. In determining the bidder's qualifications, the following factors may be considered: the bidder must have a minimum of (5) years experience in water distribution system and repair of water lines, work previously completed by the bidder, and the bidder be able to provide a list of water line projects completed for the last two years and whether the bidder (a) maintains a permanent place for business (b) has adequate equipment to do the work properly and expeditiously, (c) have the financial resources to meet all obligations incidental to work, (d) have appropriate technical experience, (e) maintains a minimum of four (4) repair crews and two (2) restoration crews at all times for the proposed work under the terms of this contract.

Each bidder may be required to show that former work has been completed and that no just claims are pending against such work. No bid will be accepted from a bidder who is engaged in any work which would impair his ability to perform or finance this work.

1.13 Jefferson Parish general specifications: the general specifications for these contract documents are the new uniform set of general specifications of Jefferson Parish adopted on the 9th day of December, 2009 under Jefferson Parish council resolution No. 113647. The resolution containing the new uniform set of general specifications is not reproduced herein, however bidders shall be presumed to have full knowledge of these general conditions. Copies are at all time available with the clerk of Jefferson Parish council.

1.14 Contractor will agree to commence contract work upon notification pending award by council resolution prior to signing contract under same terms and conditions of contract document.

1.15 Because of the nature of this contract, on an as-needed basis, liquidated damages will not be assessed. If the contractor should fail to complete issued work orders in a timely manner and to the satisfaction of the Parish the issuance of additional work orders will be withheld. Deficient performance will be dealt with as stated previously in section 1.8.

If contractor continually fails to perform work to the satisfaction of the Parish, then the Parish reserves the right to terminate contract and to re-advertise and re-bid this contract.

1.16 Pursuant to LSA R.S. 38:2248 (Public Contract Law), owner shall retain the following percentages of each progress payment until payment is due under the terms and conditions governing substantial completion or final payment.

Contract amount	Retainage
\$0 - \$499,999.99	10%
\$500,000.00 or greater	5%

1.17 Monthly invoices must be submitted for payment and the invoice shall reflect all work that is 100% completed. There will be no payment or partial payment for work in progress. All invoices submitted for payment must have all work directed on work order as well as all restoration complete submitted with all "original" paper work attached i.e. invoice, warehouse ticket, restoration sheet, etc. The contractor shall provide 3-part, no carbon required, color-coded daily invoices for completed work orders to the Parish inspector for review and approval.

Division II

2.0 Repairs to waterlines by point repair

2.1 General

Work under this contract will consist of the replacement and/or repair of waterlines by either the installation of a full circle clamp or point repair, the replacement of water valves and fire hydrants and the installation of tapping sleeves and valves, removal and replacement of water meters and installation of new water meters, and the restoration of sidewalks, driveways, roadway, etc. affected by this work.

A "point repair" is defined as exposing a specific length of waterline, making the necessary repairs to correct such defects as a broken pipe or broken fittings, backfilling and returning the surface area to the condition which existed prior to construction.

The Jefferson Parish Department of Water shall furnish all pipe, fittings, valves and fire hydrants other than HDPE material. The contractor shall obtain the necessary material to make a repair from the Water Department Warehouse located at 6250 Lapalco Boulevard, Marrero, La or 4901 Jefferson Highway, Jefferson, La. Also refer to general conditions section 1.1 Paragraph 3. All pipe, fittings, hydrants, valves, with exception of water meters, removed shall become the property of the contractor and he must dispose of them. The water meters must be returned to the Water Department warehouse, East Bank meters to the EB warehouse, West Bank meters to the WB warehouse.

If the repairs and construction require the contractor to enter private property, he shall first receive the permission of the property owner. After all construction is complete and accepted, the contractor shall, as a minimum, restore the area of construction to its original condition.

All work orders exclusive of those for Grand Isle must be completed with-in forty-five (45) calendar days from issuance of the work order. Failure to complete all repairs including restoration within the 45 day period will result in a \$50 per day charge per work order penalty against the billing invoice.

2.2 Procedure of construction.

The contractor shall furnish all labor, equipment, tools, services and incidentals to complete all work required by these specifications.

All necessary materials and supplies; lumber, foundation and supports, bedding, sand and natural backfill, etc. shall be included in the unit price bid for "point repair", or other specific bid item.

The contractor shall furnish the necessary personnel and equipment which will be efficient and appropriate to secure a satisfactory quality of work and a rate of progress to the satisfaction of the Parish.

All work to be done under this contract shall be done with minimum inconvenience to the users of the water system. The contractor shall coordinate his work with private property owners such that water service is maintained to all users to the maximum extent possible. If the water service is to be interrupted to any users for any length of time, the contractor shall notify all users and Water Department prior to the disruption. All affected residences must be notified verbally and with door tags.

Contractor shall conduct his operations as to insure the least inconvenience to the general public. In this regard, the contractor's attention is directed to the requirements of division viii, temporary signs and barricades.

Upon notification of a needed repair the contractor shall follow the following general procedure (this is not meant to be all inclusive):

1. Excavate as much, to uncover and locate the repair area.
2. Install sheeting and bracing as required.
3. Locate and close the valves required to isolate the line section after proper notification.
4. Make the necessary repairs (disinfect all material to be used in repair prior to installation See 2.5)
5. Insure that line has some type of "blow-off" open, preferably a hydrant, crack valve on opposite end to begin water flow of 2 fps, once all air expelled from main, open all closed valves fully, flush main for approximately 10 minutes and then close blow-off point.

6. Restore site to the satisfaction of the Parish representative.

2.3 Valve locating procedure.

Detail #2.3-a. The contractor shall locate, close and subsequently reopen valves required to isolate a line section to be repaired. As a guide the contractor shall utilize unit sheets supplied by the Water Department. This process shall be paid for under a separate bid item worded as "close and open water valves". The unit sheets shall be returned to Jefferson Parish Water Department at the end of the contract.

This item shall compensate the contractor for locating an "apparently visible" water valve, closing and reopening this valve. An apparently visible water valve is defined as a valve or valve box that can be located on the surface or with a magnometer and is no more than 1" deep beneath a surface covering other than paved.

Detail #2.3-b. If the valve is not apparently visible in the location shown on the Water Department unit sheets, the contractor will be required to excavate along the top of the water main five feet in either direction to locate valve. Upon locating the valve, contractor shall install new 8" riser pipe and valve box top to appropriate grade and restore the area to its pre-excavation condition. Valve box installation and valve pad to be included in this item "Excavating Valve". Any paving, sod, etc. restoration to be paid under separate bid item.

If the valve is still not evident, backfill, notify the Water Department maintenance superintendent and proceed to the next nearest isolation valve.

An isolation valve cannot be skipped unless the valve is inoperative, cannot be located as described above, emergency situation exists, or the valve is in the traffic area of a major intersection. Before opening the line after the isolation valves have been closed check a fire hydrant for service on the isolated water line section to assure that the water is off. Some left-handed valves exist in the distribution system which is not indicated on the unit sheets.

2.4 Repair waterline.

Prior to commencement of any pipeline repairs, an inspection shall be made by the contractor and Parish's representative, to determine if the existing pipe is structurally and mechanically sound and that the use of a full circle clamp can accomplish the desired repair.

Where it is determined that a repair can be accomplished by use of a full circle repair clamp, the contractor shall be notified to proceed with the repair.

The repair shall be made with the use of a full circle stainless steel repair clamp as manufactured by Smith-Blair Romac or approved equal.

2.5 Disinfection of line repairs

Line repair

Any and all equipment and repair parts which come into contact with drinking water shall be thoroughly sprayed with a 5% bleach solution prior to installation including pipe sections, hydrants, clamps, corporation, tapping equipment, gaskets, valves, etc. Preferred method of application is with pump bottle sprayer which shall be provided by the contractor. 100% surface contact is mandatory.

When a section of line or a valve is replaced, disinfect the entire section of line that is taken out of service by the following procedure:

- 1) Add 12 ounces of calcium hypochlorite per 20 feet of line inside the pipe before closing the line.
- 2) Slowly fill the line by alternately opening hydrants and valves on opposite ends of the section of line which is out of service in order to distribute chlorine throughout the line section. If no hydrants are available, a 3/4 inch tap must be provided for filling and chlorinating the line.
- 3) After 30 minutes of letting the chlorinated water disinfect the line, alternately flush the line from both directions until no trace of chlorinated water remains. Wait 60 minutes before flushing the line when only one hydrant is available on the line section being repaired or if no hydrants are available and a 3/4 inch tap is used.
- 4) Immediately after the repairs are complete and the line has been placed back in service, notify the water quality lab which valves were closed to perform the repair. The bacteriology lab will then collect samples for total coliform analysis on both sides of the repaired line section. If there is found to be contamination, the contractor will be back charged for additional chlorination services.

New line sections

After installation of a new line section, contact the engineering department for chlorination and acceptance of the new line. Under no circumstances shall the valve connecting the new line section to the existing water distribution system be opened at any time unless so instructed by the engineering department. After chlorination and flushing by the contractor, under the supervision of the department of engineering, bacteriological analysis shall be conducted by the water quality lab. Once the water quality lab has certified that the line contains no bacteriological contamination, the valves connecting the new line section to the existing distribution system shall be opened by the contractor personnel under the supervision of the Water Department personnel and the line shall be considered accepted by the Water Department.

Division III

3.0 General

The unit price bid for a removal and replacement item shall include the cost of removal, transportation and proper disposal of the removed material.

3.1 Repair water main (referred to as detail #3.1)

A. Measurement: the measurement of a waterline repair by full circle stainless steel clamp or replacing damaged pipe at any location up to 20 linear feet of pvc or ductile iron pipe will be on a per each basis of actual number of repairs satisfactory completed. In the event that the main leak is the result of a plug/pipe backing out of existing fitting, this fitting is to be replaced with an appropriate mechanical joint fitting with a minimum of 20 linear feet of pvc/ductile pipe out of fitting for tie-in. No exception unless specifically approved by the Department of Water.

B. Payment: a "line repair" is defined as exposing a section of waterline. Installing a full circle stainless steel clamp, replacing damaged pipe at any location up to 20 linear feet of pvc, ductile iron pipe, or installation of mechanical joint tee will be paid for at the unit price bid and this price and payment will constitute full compensation for furnishing all labor, equipment, materials and incidental items necessary for the repair of waterline in accordance with the specifications. When reconnecting of a service line is required as a result of a line repair, connection shall be included in the line repair cost. Removal and replacement of tee will be paid at the rate of one point repair plus the tonnage for the tee. Removal and replacement of cross will be paid at the rate of two point repairs plus the tonnage for the cross.

3.2 Repairing service or main water lines under trees

Repairing service or main water lines under trees which required extra effort above and beyond point repair will be paid under separate items for extra work. If a tree must be removed to repair the water line the department of water and the department of parkways will decide and remove tree.

All other costs associated with "point repair" and such as mobilization and demobilization, excavation, dewatering, sheeting and bracing pipe bedding, lying of pipe, backfilling, with river sand, chlorination of the repaired segment, removal of surplus earth and debris from the site work and all other items of work associated with a "point repair" and will be paid for under point repair or item. Ductile iron fittings incorporated in point repair items shall be paid for separately.

3.3 Repair p.c.c.p. water main by point repair (detail #3.3)

A. Measurement: the measurement of a "point repair" for pre-stressed concrete cylinder pipe will be on a per each basis.

B. Payment: a "point repair" for pre-stressed concrete cylinder pipe (p.c.c.p) consists of exposing and making the necessary repairs with an appropriate repair section up to twenty (20) linear feet of water main at any one location. Each "point repair" shall be paid at the unit price bid under the applicable size and pay item for each repair satisfactorily completed and shall include all other cost associated with a "point repair" excluding the cost of pipe material. Payment of point repair for steel water main will be paid under the repair of p.c.c.p. water main by point repair of the same size.

3.4 Ductile iron fittings (detail #3.4)

A. Measurement: the measurement of all ductile iron fittings will be by the ton (2,000 pounds) installed. The "initial" weld and "cap" weld shall be considered as one weld by LF.

B. Payment: the actual weight of ductile iron fittings, incorporated in the "point repair" and measured as provided above, will be paid for at the unit price bid per ton and this price and payment will constitute full compensation for hauling and properly installing the fittings.

3.5 Welding repair (detail #3.5)

A. Measurement: the measurement of weld will be per linear foot of weld (along joint circumference) installed. When this item is used, the joint circumference shall be welded.

B. Payment: the actual length of desired repairs will be paid for at the unit price and payment will constitute full compensation for furnishing all labor, equipment, and materials required completing the welding repairs. Payment for welding repairs will be over and above the cost of a point repair.

3.6 Additional sheeting and bracing

A. Measurement: the measurement for payment for additional sheeting, bracing and foundation lumber where not covered by contract requirements and when directed by the owner will be by the mfbm.

B. Payment: where specific site conditions dictate the use of additional sheeting, bracing and foundation lumber, above that required by the contract, will be supplied and placed as directed. All sheeting, bracing and foundation lumber supplied and placed shall be left in place. The actual quantity of additional lumber supplied and placed, will be paid for at the unit price bid and this price and payment will constitute full compensation for furnishing all labor, equipment, and materials to complete the additional work.

3.7 Temporary steel sheeting and bracing (as directed) (detail 3.7)

A. Measurement: the measurement for payment for temporary and left in-place steel sheeting and bracing will be by the square foot.

B. Payment: where specific site conditions dictate steel sheeting or left in place steel sheeting and bracing. The quantity of temporary steel sheeting and bracing furnished and installed shall be paid for at the unit price bid and this payment shall constitute full compensation for furnishing all labor, equipment, materials and all other incidental work to complete installation.

3.8 Left in-place steel sheeting and bracing (as directed) (detail #3.8)

A. Measurement: the measurement for payment for left in-place steel sheeting and bracing will be by the square foot.

B. Payment: where specific site conditions dictate the use of left in-place steel sheeting and bracing the quantity of in-place steel sheeting and bracing furnished and installed shall be paid for at the unit price bid and this payment shall constitute full compensation for furnishing all labor equipment, materials and all other incidental work to complete installation.

3.9 Additional granular material (vehicular measure) (detail 3.9)

A. Measurement: the measurement for granular material will be by the cubic yard delivered in approved vehicles at the site of the work.

B. Where specific site conditions dictate and at the discretion and direction of the owner. The use of additional granular material (pumped river sand), above that specifically required by the contract, will be supplied and placed as directed. The actual quantity of granular material supplied and placed, when directed by the owner, will be paid for at the unit price bid and this price and payment will constitute full compensation for furnishing all labor, equipment and materials to perform the work.

3.10 Additional limestone (vehicular measure) (detail #3.10)

A. Measurement: the measurement for limestone or crushed concrete or approved equal will be by the cubic yard delivered in approved vehicles at the site of the work.

B. Payment: where specific site conditions dictate and at the discretion and direction of the owner, the use of additional limestone or crushed concrete or approved equal above that specifically required by the contract, will be supplied and placed as directed. The actual quantity of limestone or crushed concrete or approved equal supplied and placed, when directed by the owner, will be paid for at the unit price bid and this price and payment will constitute full compensation for furnishing all labor, equipment and materials to perform the work.

3.11 Extra excavation (net section)(detail #3.11)

A. Measurement: the measurement for extra excavation will be by the cubic yard.

B. Payment: where specific site conditions dictate that exploratory excavation be used to determining subterranean conditions. Payment under this item also shall cover all excavation not specifically required by the contract and for which no pay item exists and compensate the contractor for excavations required prior to the excavation that locates a waterline leak. The actual quantity of extra material excavated based upon a computed net section, as directed by the owner, will be paid for at the unit price bid and this price and payment will constitute full compensation for furnishing labor, equipment and material to excavate and dispose of the excavated material if not suitable for backfilling.

3.12 Remove and replace portland cement concrete roadway (detail 3.12)

A. Measurement: the measurement for removal and replacement of portland cement concrete roadway will be by the square yard for nine (9) inch thickness. Measurement will be made from back to back of curbs.

B. Payment: the actual quantity of applicable roadway removed and replaced will be paid for at the unit price bid and this price and payment will constitute full compensation for furnishing all labor, equipment, materials, wire mesh, if required, and incidental necessary to complete the applicable item of work.

C. Inspection for street replacement shall be coordinated with the Department of Streets and contractor.

3.13 Remove and replace asphaltic concrete roadway (detail #3.13)

A. Measurement: removal and replacement of asphaltic concrete roadway will be by the square yard. Measurement will be made from cut to cut of pavement. All excavated area to be "straight cut" prior to placement of any asphalt concrete roadway replacement.

B. Payment: the actual quantity of asphaltic roadway removed and replaced will be paid for at the unit price bid and this price and payment will constitute full compensation for furnishing all labor, equipment, materials, and incidental necessary to complete the item of work. Should the thickness of the existing asphalt pavement exceed the six inch (6") asphalt concrete minimum thickness required by the standard detail, the contractor shall match the existing pavement. Payment for the additional thickness satisfactorily placed will be prorated based upon the unit price bid for this item of work. For each additional inch of thickness satisfactorily placed, the contractor will be paid for additional one-sixth (1/6) of the unit price of pay item.

3.14 Remove and replace concrete curb and gutter and concrete curb (detail #3.14)

A. Measurement: the measurement for removal and/or replacement of concrete curb and gutter and concrete curb will be by linear foot along the face of the curb. Concrete curb removed with a concrete roadway will not be measured for payment to remove, only to replace.

B. Payment: the actual quantity of concrete curb and gutter and concrete curb removed and/or replaced will be paid for at the unit price bid and this price and payment will constitute full compensation for furnishing all labor, equipment, materials and incidental necessary to complete the item of work, where applicable, including excavation, backfill, expansion joint material, doweling to existing pavement and other related miscellaneous items.

3.15 Adjusting manholes (in concrete roadway) (detail #3.15)

A. Measurement: the measurement for adjusting manholes will be by the actual number adjusted, which adjustment will not exceed one vertical foot in either direction.

B. Payment: the actual number of manholes adjusted will be paid for at the unit price bid and this price and payment will constitute compensation for furnishing all labor, equipment, materials

and incidental necessary to complete the item of work, where applicable, including excavation, backfill expansion joint material, doweling to existing pavement and other related miscellaneous items.

3.16 Adjusting manholes (in asphaltic roadway) (detail #3.16)

A. Measurement: the measurement for adjusting manholes will be by the actual number adjusted, which adjustment will not exceed one vertical foot in either direction.

B. Payment: the actual number of manholes adjusted will be paid for at the unit price bid and this price and payment will constitute compensation for furnishing all labor, equipment and materials necessary for the adjusting of manholes to an elevation established by the Parish.

3.17 Install water valve manholes (detail #3.17)

A. Measurement: the measurement for removal and replacement for water valve manholes will be by each manhole installed.

B. Payment: the actual quantity of manholes installed we will be paid for at the unit price bid and this price and payment will constitute full compensation for furnishing all labor, equipment, materials and incidentals necessary to complete the item of work.

3.18 Slab sodding (detail #3.18)

A. Measurement: the measurement of slab sodding will be by the square yard of finished surface. The newly placed sod must be at elevation of the existing sod and shall be the same variety as the existing sod. Newly placed sod shall receive one "deep watering" by contractor upon placement.

B. Payment: the actual quantity of slab sodding satisfactorily placed, as measured above, will be paid for at the unit price bid and this price and payment will constitute full compensation for furnishing all labor, equipment, and materials necessary to complete this item of work.

3.19 Remove and replace concrete driveways (detail #3.19)

A. Measurement: the measurement for removal and replacement of concrete driveways will be by the square yard, of six (6) inch thickness.

B. Payment: the actual quantity of applicable driveway removed and replaced will be paid for at the unit price bid and this price and payment will constitute full compensation for furnish all labor, equipment, materials, and incidentals, such as, wire mesh, saw-cutting, excavation, backfill, expansion joint material, removal and disposal of existing driveway and other related miscellaneous items. It is necessary to complete the applicable item of work.

3.20 Remove and replace sidewalks (detail #3.20)

A. Measurement: the measurement for removal and replacement of sidewalks will be by the square yard, of four (4) inch thickness.

B. Payment: the actual quantity of applicable sidewalk removed and replaced will be paid for at the unit price bid and this price and payment will constitute full compensation for furnishing all labor, equipment, materials, reinforcement if required, and shall include excavation, backfill expansion joint material and incidentals (i.e., saw-cutting and other related miscellaneous items) necessary to complete the applicable item of work.

3.21 Adjusting water mains (detail #3.21)

A. Measurement: the measurement of unrestrained joint pipe adjusted in the lowering or raising and horizontal or vertical adjustment of water mains will be by lump sum up to 40ft. total of offset length from corresponding pipe diameter. The offset and restrained joints must be per Jefferson Parish Water standard details. The actual linear footage laid, measured along the top centerline of the pipe within the limits of water main adjustment. No deduction will be made for fittings.

B. Payment: payment for adjusting water mains shall include the cost of the total linear feet of restrained joint pipe and fittings installed and accepted (including the offset up to 40 ft.), measured as provided above, within the limits of water main adjustment. Payment will be made at the unit price bid for various sizes and classifications and this price and payment will include the offset, fitting installation, pipe installation, and also furnishing all labor, tools, and incidental items, and include connecting to existing waterlines. Adjustment price includes the installation of four (4) fittings. Installation of two (2) or less fittings the price is reduced by half.

3.22 Unforeseen emergency (detail #3.22)

A. Measurement: measurement for unforeseen emergency work will be made on an as incurred basis, extra materials cost will be in accordance with general conditions section 1.1 of technical specifications.

B. Payment: payment will be made only when directed by the Parish to make repair or repairs not specifically covered by items contained elsewhere in this proposal. Payment shall include furnishing all labor, equipment, and materials needed to accomplish the directed additional work. Payment will be according to the hourly rate bid items for labor and equipment. In addition, to the standard bid items 1-155, the additional bid item (156) is to be quoted for unforeseen emergencies. Rates for bid items 135-148 (equipment only) for unforeseen emergency work cannot exceed the green book rates .

3.23 Replace fire hydrant (detail #3.23)

A. Measurement: measurement for payment for replacing fire hydrants will be on a per each basis. The Parish will supply the fire hydrant. Eastbank hydrant shall be obtained from Eastbank Warehouse and Westbank hydrant shall be obtained from Westbank.

B. Payment: payment for this item will include all labor, equipment, excavation, sheeting, backfill and bedding material. Payment for replacement of any surface features: i.e., side walks, driveways, roadway, slab, sodding, etc. will be by the separate unit prices bid for that item.

3.24 Replace water valve (detail #3.24)

A. Measurement: measurement for payment for replacing water valves will be on a per each basis at the unit price bid for each size. The owner will supply the water valve.

B. Payment: payment for this item shall include all labor, miscellaneous material, including the replacement pipe, equipment, sheeting, bedding and backfill the site, payment for the removal and replacement of any surface features involved in this work: i.e. sidewalks, driveways, roadways, etc. will be by the separate unit price bid for that item. Valve box installation shall be included in valve unit replacement price.

3.25 Close and open water valve (detail #3.25)

A. Measurement. Measurement for payment for this item will be on per each basis for each valve closed and opened.

B. Payment: payment will include all labor, equipment and materials required to locate and close an apparently visible water valve. An "apparently visible" water valve is defined as one that is located in the vicinity as indicated on the Water Department "unit sheets" and can be detected with a magnometer no more than one foot beneath any surface other than paved. Payment shall also cover the need to "work" a valve for complete closure.

3.26 Install tapping sleeve and valve (detail #3.26)

A. Measurement: measurement for payment for installing a tapping sleeve and valve will be on per each basis at the unit bid for each size. The owner will supply the tapping sleeve, valve, and valve box.

B. Payment: payment for this item will include all labor, equipment and materials including concrete pad required to excavate and install the valve. Payment for the removal and replacement of any surface features: i.e., sidewalks, driveways, roadways, etc. Will be by the separate unit prices bid for that item. Installation of valve box item (3.27) below shall be paid for separately. Valve pad shall be considered a restoration item. Payment will not be received until job completed.

3.27 Installation of valve box (detail #3.27)

A. Measurement: measurement for payment for this item will be on a per each basis at the unit price bid. The unit price bid will include placing plastic riser pipe for the valve box if required, and the two (2) foot square concrete top slab to set the valve box in. If the valve box should fall within a paved area the top slab and any replacement paving will be paid for under bid item for

pavement removal and replacement (net section) the owner will supply the valve box and any pipe required for an extension piece.

Note: valve box shall be complete with top and bottom or use top of box only the riser pipe shall be 8" plastic riser pipe (c-900) valve pad (2'x2'x4") is to be included in the valve box installation. Riser pipe shall be centered on operating nut after completion of backfill, in the event that operating nut cannot be accessed to "off center" riser, contractor shall excavate and center riser and restore area at no additional cost to the Parish.

B. Payment: payment for this item will include all labor, equipment and materials, other than owner furnished, required to excavate and install a valve box payment for the removal and replacement of any surface features: i.e. sidewalk, driveways, roadways, etc will be by the separate unit price bid for that item.

3.29 Replace meter boxes only (2" and smaller) not associated with replacement of water meter (detail #3.29)

A. Measurement: measurement for payment replacing water meter boxes will be on a per each basis at the unit price bid. The Parish will supply replacement meter boxes. Any pavement required to be removed will be measured and paid for under separate bid items.

B. Payment: payment for this item will include all labor, equipment and miscellaneous materials required to properly replace and make any necessary vertical adjustment of meter boxes for 2" and less water meters.

3.29- a) Install (or replace) water meter box only (for 3" meter or larger) in a grass area, (detail #3.29-a).

A. Measurement: measurement for payment replacing water meter boxes will be on a per each basis at the unit price bid. The Parish will supply the new meter boxes or vendor shall furnish the meter boxes to be paid for (each) as separate items. Any landscaping required to be removed and replaced will be paid for under separate bid items. The Parish will supply the valve boxes as needed. Meter box shall be buried by backfilling per specification.

B. Payment: payment for this item will include all labor, equipment and miscellaneous materials required properly replacing and making any necessary vertical adjustment of meter boxes for 3" and larger water meters.

3.29-b) Install water meter box only for 3" meter or 4" meter in a driveway location, (detail #3.29-b).

A. Measurement: measurement for payment installing water meter boxes will be on a per each basis at the unit price bid. The Parish will supply the valve boxes and the manholes and rings. Any pavement required to be removed will be measured and paid for under separate bid items.

B. Payment: payment for this item will include all labor, equipment and miscellaneous materials required to properly install and make any necessary vertical adjustment of meter boxes for 3" and 4" water meters.

3.29-c) Install water meter box only for 6" meter or larger in a driveway location, (detail #3.29-c)

A. Measurement: measurement for payment installing water meter boxes will be on a per each basis at the unit price bid. The Parish will supply the valve boxes, manholes and rings. Any pavement required to be removed will be measured and paid for under separate bid items.

B. Payment: payment for this item will include all labor, equipment and miscellaneous materials required properly installing and making any necessary vertical adjustment of meter boxes for 6" and larger water meters.

3.30 Replace water meters (2" and smaller) (detail #3.30)

A. Measurement: measurement for payment for replacing water meter (2" and smaller) will be a per each basis at the unit price bid. The owner will supply the new meter and the contractor shall return the old meter to the owner's warehouse free of dirt or other objectionable material. Any pavement required to be removed and replaced will be measured and paid for under separate bid items. If meter boxes are removed for the convenience of the contractor the cost of such removal, replacement and vertical adjustment up to 18" is included in this item. Meter boxes and any other related materials will be furnished by the owner.

B. Payment: payment for this item of work will include all labor, equipment and miscellaneous materials require to properly replacing 2" and small water meters including the required check valve and hand valve. No payment will be paid for this item until the old and new meter serial numbers and reading of the old water meter is submitted to inventory control of the Water Department.

3.31 Replace water meter (3" and larger) (detail #3.31)

A. Measurement: measurement for payment for replacing a water meter (3" and larger) will be on a per each basis at the unit price bid. The owner will supply the new meter and the contractor shall return the entire old meter assembly to the owner's warehouse free of dirt or other objectionable material. Any pavement required to be removed will be measured and paid for under separate bid item. If meter boxes are removed for the convenience of the contractor the cost of such removal, replacement and vertical adjustment up to 18" is included in this item. The cost of all necessary modifications to install touch sensor unit for the meter shall be included in the unit price for this item.

B. Payment: payment for this item shall include all labor, equipment and miscellaneous materials required for this installation and the removal of the existing meter assembly including the required check valve and control valve. By-pass to provide temporary service to maintain water service for replacing 3" and larger meters including the required check valve and hand valve will

be paid for under separate items in the contract. No payment will be paid for this item until the old and new meter serial numbers and reading of the old water meter is submitted to inventory control at the Water Department.

3.32 Horizontal adjustment of water meters (2" and smaller) (detail #3.32)

A. Measurement: any horizontal adjustment to laying length from turbo meter to compound/sr meter.

B. Payment: payment for this item of work will include all labor, equipment, miscellaneous materials such as fittings to properly adjust the meter.

3.33 Horizontal adjustment of water meters (3" and larger) (detail #3.33)

A. Measurement: any horizontal adjustment laying length from turbo meter to compound/sr meter.

B. Payment: payment for this item of work will include all labor, equipment, miscellaneous materials such as fittings to properly adjust the meter.

3.34 Construct meter boxes (3" and larger) (detail #3.34)

A. Measurement: measurement for payment for this item will be on a per each basis complete in-place. The contractor is to supply all materials for this installation. Backfill will be included in the unit price bid for this item of work. Any pavement required to be removed will be measured and paid for under separate bid item.

B. Payment: payment for this item will include all labor, equipment, and materials; i.e., concrete, bricks, mortar, pilings, etc., required to provide a complete structure. Payment for installation of the meter will be made under a separate bid item.

3.35 Concrete saw cutting (detail #3.35)

All concrete to be sawed on state highways or on city and Parish streets and roads shall be cut to a depth of four (4) inches. A written verification showing authority to cut to a depth of less than four (4) inches shall be required.

Failure to saw concrete to a depth of cut of four (4) inches shall serve as just cause for disallowing the entire charge associated with the repair project upon which the saw cutting is performed.

Charges for saw cutting shall be calculated on a basis of a standard charge set forth in the unit price per linear foot per inch of thickness. For example, if a unit price of \$1.00 was set forth in the contractor's bid. A 50 foot section of concrete cut to a depth of four (4) inches would serve as the basis for a proper charge of \$200.00 (50 feet x \$1.00 per foot x 4 inches).

The price per linear foot for the concrete saw machine shall include all cost associated with this equipment, including all labor charges and saw blades.

Replacement of concrete and asphalt on highways, streets, and road shall be in conformity with state, city, and Parish specifications.

A charge for saw cutting includes labor, equipment and supplies.

3.36 Topsoil (detail #3.36)

(1) Topsoil shall be obtained from naturally drained areas and shall be fertile, friable loam suitable for plant growth. It shall be subject to inspection and approval at the source of supply and upon delivery.

(2) The topsoil shall be of uniform quality, free from subsoil stiff or lumpy clay, hard clods, hardpan, rocks, disintegrated debris, plants, roots, seeds and any other materials that would be toxic or harmful to plant growth. It shall contain no noxious weeds or noxious weed seeds.

(3) The topsoil shall contain at least 6 percent organic matter as determined by loss of weight after ignition of dried (moisture-free) samples, in accordance with current methods of the association of official agricultural chemist.

(4) Clay as determined by the bounteous hydrometer or by the decantation method shall not exceed 60 percent of the topsoil material. Payment shall be per cubic yard delivered to repair site.

3.37 Install meter long side including excavating to the main, tap, and bore service from main to the meter, install meter and meter boxes.

A. Measurement: measurement for payment to install meter long side (opposite side from the water main) includes complete installation of meter, including excavating to the main, tapping the main, installing corporation, boring service from main to the meter, installing meter, meter box and cover and restore the site.

B. Payment: payment for this item shall include all labor, equipment and miscellaneous materials, other than owner furnished, required for complete meter installation. Payment will be per each regardless of total length of tubing required. No payment will be paid for this item until the old and new meter serial numbers and reading of the old water meter is submitted to the inventory control at the Water Department.

3.38 Install meter short side including excavating to the main, tap service line from main to meter, installing meter and meter box.

A. Measurement: measurement for payment to install meter short side (same side as the main) includes complete installation of meter, including excavating to the main, tapping the main line,

installing corporation, install service line from main to the meter, install meter, meter box and cover and restoring the site.

B. Payment: payment for this item shall include labor, equipment and miscellaneous material, other than owner furnished, required for complete installation. No payment will be paid for this item until the old and new meter serial numbers and reading of the old water meter is submitted to inventory control at the Water Department.

3.39 Relocating water meters to the property side of the sidewalk.

A. Measurement: measurement for payment to relocate water meters includes relocating meter and meter box to the property side of the sidewalk within Parish r.o.w., extending tubing to new meter, and reconnecting customers line and restore site to original conditions.

B. Payment: payment for this item shall include labor, equipment and miscellaneous materials, other than owner furnished, required for complete relocation.

3.40 Jack and bore for water main without casing.

A. Measurement: measurement for payment for this item will be by the linear foot and will include excavating for jacking pit and receiving pit, sheeting (up to 10' deep with wood sheeting and deeper than 10' with steel sheeting) providing dry pit bottom, jack and bore installing pipe, pvc, ductile iron as specified by Jefferson Parish and restraining all pipe joints.

B. Payment: payment for this item shall include labor, equipment and miscellaneous materials, other than owner furnished, required for complete jack and bore and pipe installation.

3.41 Jack and bore for water main with steel casing.

A. Measurement: measurement for payment for this item will be by the linear foot and will include excavating for jacking pit and receiving pit, sheeting, (up to 10' deep with wood sheeting and deeper than 10' with steel sheeting) providing dry pit bottom. Jack and bore, installing steel casing, installing pipe, pvc or ductile iron as specified by Jefferson Parish, and restraining all pipe joints in the casing. Steel casing thickness must meet DOTD and Jefferson Parish standards.

B. Payment: payment for this item shall include labor, equipment, steel casing and miscellaneous material other than owner furnished required for complete jack and bore and providing and installing steel casing and pipe installation.

3.42 Relocating fire hydrants using existing tee and hydrant and restore site.

A. Measurement: measurement for this item includes excavating to the main, removing the existing hydrant, installing replacement pipe, coupling, and restoring sites. Excavating the new site to the main, cutting the main and installing hydrant and tee with required pipe and couplings.

B. Payment: payment for this item shall include labor, equipment and miscellaneous material other than owner furnished required for complete relocation of the hydrant.

3.43 Repairing 3/4", 1" or 2" service line by point repair

A. If the defective service line is found to be "cooper tubing" or "blue tubing", and then the service line shall be removed and paid under appropriate item for "service renewal" unless directed otherwise by the Department of Water.

B. Payment: payment for this item shall include all labor, equipment and miscellaneous material other than owner furnished required for complete repair of 3/4", 1" or 2" service line.

3.44 Transferring service from existing water line to new water line.

A. Measurement: measurement for payment includes transferring services short or long, installing any additional tubing, adaptor, couplings, corporation to complete transfer from the old water line to the new water line.

B. Payment: payment for this item shall include all labor, equipment and material, other than owner furnished, required to complete transferring services from the existing water line to the new water line.

3.45 Renewing existing service from water line to water meter.

A. Measurement: measurement for payment for this item will include excavating to the water main and renew service line short or long from the tap to the water meter.

B. Payment: payment for this item shall include all labor, equipment, and material, other than owner furnished required to complete renewing the existing service line from water line to the water meter.

3.46 Installing new water main

A. Measurement: measurement for payment to install new water line of polyvinyl chloride (pvc c-900, 905) pressure pipe and ductile iron pipe will be by the linear foot. A minimum of 100 linear foot of pipe shall be installed under this section (detail #3.46)

B. Payment: installation of pipe shall include all costs associated with new pipe installation such as mobilization and demobilization, excavation, dewatering, sheeting and bracing, pipe bedding, lying of pipe, backfilling with river sand, chlorination and flushing of the new line segment, removal of surplus earth and debris from the site. Additionally the new line section procedures under section 2.7 must be followed.

3.47 Install Complete Hydrant Assembly

A: Measurement for payment to replace/install complete hydrant assembly shall include excavating to the water main, removing existing hydrant tee and installing new hydrant assembly. Hydrant assembly will include required swivel tee, new hydrant and hydrant control valve with valve box. The new hydrant shall be backfilled with river sand and site restored to original condition.

B: Payment: payment for this item shall include all labor, equipment and materials, other than owner furnished required to replace existing hydrant, shoe and tee. Additional items required shall be paid accordingly under separate items, as required.

3.48 Replace hydrant without replacing tee

A: Measurement: measurement for payment to replace existing hydrant, excavating to the main, remove hydrant and shoe from the existing tee, if possible install 6" gate valve. The cost of valve installation will be paid under separate item; install new hydrant and shoe backfill with river sand and restore the site.

B: Payment: payment for this item shall include all labor, equipment and material, other than owner furnished required to replace existing hydrant and shoe.

NOTE: All newly installed hydrants shall be painted/color coded to size of feeder main. No additional pay for this item.

Division IV

Removal and restoration of roadways, concrete curb, gutter, sidewalk and driveways

4.0 General

All work performed under this section shall be in accordance with the appropriate section of the Louisiana standard specifications for roads and bridges (1992 edition and latest revisions) when work is being performed in State of Louisiana right of way, all other work shall be governed by Jefferson Parish standard specifications and as indicated on Jefferson Parish standard detail sheets.

This section shall include the removal and restoration of all paved and unpaved roadway and walkway areas encountered on the project. This work will include replacement of pavements, shell/stone surfaces, base courses, curbs, gutters and other improvements removed or damaged by the contractor during the course of this contract. Parish reserves the right to perform removal, maintenance and replacement of concrete and asphalt roadway, and removal and replacement of curb and gutters by other means. If the owner decides to replace the roadway by other means then the contractor shall remove entire roadway and backfill trenches with sand and place and compact roadway base and if directed shall place and compact 4" temporary asphalt concrete.

Temporary roadway restoration: if required by the owner, the contractor shall place and compact 4" thick asphalt concrete to conform to the contour of the existing roadway for temporary

roadway restoration. This asphalt concrete shall be placed on top of already placed and compacted roadway bases. Asphalt concrete shall be as specified elsewhere for roadway bases.

The unit price bid for a removal and replacement shall include the cost of removal, transportation and proper disposal of the removed material.

Temporary asphalt shall be approved for Parish roads or State roads with a posted speed limit of 35 mph or greater. For roads of less than posted 35 mph, contractor may place temporary asphalt for the convenience and maintenance of cut at no additional cost unless directed by the Department of Water.

Unless otherwise approved by the owner, the kind of pavement to be constructed in replacement work shall correspond with the kind removed from the area or as shown on the plans. The respective kind of concrete (asphalt or portland cement) shall be placed, shaped, compacted, and finished to establish grade and cross section by practicable means which will result in a dense, uniform-textured pavement. Abutting edges of old pavement shall be trimmed of all loose fragments and shall be painted with asphalt or thoroughly moistened with water, as appropriate, to provide good bond between the old and new pavement.

All manholes within the pavement area shall be isolated (boxed out) by means of an approved circular ring (joint) around them, square or rectangular sections using flexible joint materials.

All backfilled trenches shall be properly maintained by the contractor, at no direct pay, until such time as reconstruction is begun.

Notice: the contractor is responsible for notifying the Jefferson Parish Department of Streets, at least 24 hours in advance, of any placement of concrete or asphalt.

In addition, the contractor shall be responsible for the proper and safe protection of the work areas as specified in division ix of these specifications.

4.1 Removal of surfacing

All surfaces shall be initially removed to a distance of one foot (1') outside the limits of the trench, upon completion of all work; all concrete shall be removed and replaced per concrete roadway repair details. Final removal of asphalted concrete roadways shall be a minimum distance of three feet (3') from the edge of trench and neat lined at this point. For driveway and sidewalk removal, if a joint does not exist at the property line or in close proximity to it, then the contractor shall make a saw-cut along this property line. There will be no direct payment for saw-cutting. Material removed shall be properly disposed of at no direct pay. There will be no direct payment for the removal of curb which is attached to and removed with the roadway surface.

4.2 Base course

This work consists of furnishing and placing granular material for the roadway base as per plan details, and in accordance with section 723 and 301 of the Louisiana standard specifications for roads and bridges (1992 edition) unless otherwise specified.

The placement of the road base material shall be confined to the limits of the trench line. If, due to the construction, operation, the adjacent base material is disturbed adversely, the contractor shall remove and replace the material as directed by the Department of Public Works.

Density tests will be taken on the roadway base materials as specified in the Jefferson Parish standard details. The contractor shall not be allowed to restore the roadway until backfill material in the trench area meets or exceeds the following:

Density requirements (standard proctor)

- (a) base course (stone and sand) - 97%
- (b) sub-base (sand) - 97%

4.3 Base material

Soil for base material shall be pumped sand obtained from the Mississippi River. It shall be an aashto classification a-4 or better, having a plasticity index not to exceed "4" and a liquid limit not to exceed "25", and shall be free from trash, weeds, large lumps, humus, or any other deleterious matter.

4.4 Asphalt concrete paving

Saw-cutting will be required along the entire limits of the removed asphalt areas; if in contact with existing asphalt.

Job mix formula (per latest DOTD standards)

- (a) wearing course (type 3, ac-30)
- (b) binder course (type 3, ac-30)
- (c) base course (type 5a, ac-30)

4.5 concrete paving

All existing concrete pavement, curbs, walks, and driveways shall be replaced to the line, grade and thickness as existed prior to construction or as directed by the owner. All roadway joints shall be replaced to match the conditions which existed prior to construction or as directed by the owner. Details of existing joints will be supplied at the time of construction, prior to construction in an area. The contractor shall adequately reference the existing curb and other pavement elevations to establish the pre-construction conditions.

The restored paving elevations shall correspond to the elevations established prior to construction, to allow for drainage of the area.

Curbs and sidewalks shall be removed to the nearest joint scorings. All concrete streets shall be removed from joint to joint.

Portland cement concrete requirements for roadway pavement and curbs:

- (a) seven (7) sacks of cement per cubic yard
- (b) 2" to 4" slump range

The pavement shall not be opened to traffic until a compressive strength of 4,000 psi is attained, and in no case shall the pavement be opened to traffic within a three (3) day period after the concrete has been placed.

4.6 Curbs, gutters, and miscellaneous

Replacement of curbs, gutters, walks, and other like structures shall consist of similar and matching construction to that of adjoining undisturbed structures, which construction shall be at least equal in all respects to that of the structures of parts of structures removed in the work and as shown on the standard details.

4.7 Testing requirements

All material and construction testing will be done as directed by the Parish or as follows:

Asphalt roadways:

- (a) One base thickness verification per 600 square yards or fraction thereof. (b) One density test on the sub base (if applicable) and base material per 600 square yards or fraction thereof.
- (c) One pavement core for the thickness verification per 600 square yards of pavement or fraction thereof.

Concrete roadways:

- (a) One slump test minimum per 100 cubic yards (accumulated volume) of concrete or fraction thereof.
- (b) Four (4) cylinders minimum per 100 cubic yards (accumulated volume) of concrete or fraction thereof.
- (c) Independent densities, slumps, cylinders, cores, etc., will be required for isolated areas.

All initial testing shall be performed by the owner's testing laboratory and at the owner's expense. All cost for testing to determine compliance after the initial tests shall be borne by the contractor. If required, contractor is also responsible for all costs for canceled or rescheduled tests.

There shall be no adjustment in bid prices for pavement thickness deficiencies. If the concrete core is less than specified, two additional cores on the same slab within a five feet (5') radius must be taken. If one of these cores is less than specified, then the entire panel (joint to joint)

must be removed and additional cores on other adjacent panels within the core range (600 square yards) must be taken and the same procedure followed.

Joint sealers: all joints in roadway surface shall be cleaned and sealed with approved joint sealant.

4.8 Use of wire mesh

Wire mesh shall be used in the replacement of sidewalks, driveways and roadways if it existed in the removed sections. The size and type used shall, at a minimum, equal or better than removed. There shall be no additional payment for the use of wire mesh.

4.9 Cleaning for acceptance of street

Prior to acceptance, the contractor shall be required to clean up any street that is dirtied as a result of construction activity, as directed by the Parish.

Division V

5.0 Earth excavation and backfill in trenches

5.1 General

a. This section includes, except as elsewhere provided, trenching for installation of pipelines and appurtenances, including drainage, filling, backfilling, and disposal of surplus material and restoration of trench surfaces.

b. Excavation shall extend to the width and depth as specified; or where not specified, contractor shall confine his excavation to the least width practicable and shall provide suitable room for installing pipe, structures, and appurtenances.

c. The contractor shall furnish and place all sheeting, bracing, and supports and shall remove from the site all materials which are unsuitable for backfilling or which the Parish may deem unsuitable for backfilling. The bottom of the excavation shall be firm, dry, and in all respects, acceptable. If conditions warrant, the contractor may be ordered to deposit limestone for refill for excavation below grade, directly on the bottom of the trench immediately after excavation has reached the proper depth and before the bottom of the trench has become softened or disturbed by any case whatever. This work shall be performed at no direct pay.

5.2 River sand

River sand shall be used as backfill material for all trenches and shall be a good quality "Mississippi river sand", free of roots, shells, or any other foreign matter. Aashto a-4 material or better.

5.3 Limestone

Limestone may be used as pipe bedding. Type 57 shall be used with 10-inch diameter pipe and larger. Relative densities of 75% in accordance with ASTM d4253 and d4254, as required.

5.4 Sand-stone mixture

- a. This mixture shall consist of 65% stone and 35% sand by weight.
- b. Sand and stone shall meet the individual requirements of this section.
- c. This mixture shall be used as select backfill or pipe foundation as called.
- d. The sand-stone mixture shall be compacted to 75% relative density in accordance with ASTM d4253 and d4254 specifications.

5.5 Crushed concrete

- a. Crushed concrete used as a bedding material shall be limited to no more than 5% by weight of foreign materials such as wood, mortar and brick.
- b. Crushed concrete shall meet all gradation and compaction requirements (as specified for limestone material).

5.6 Excavation

- a. Excavation shall be open cuts with vertical sides, unless in special cases the owner permits sloping sides.
- b. In case the excavation for any pipe, pipeline is carried below the required depth, the contractor shall fill the bottom of the excavation up to grade with limestone, in a manner acceptable to the Parish, without compensation for either the excavation or the backfilling.
- c. All material excavated shall be placed so as to minimize interference with public travel and to permit proper access for inspection of the work.

5.7 Disposal of materials

- a. Excavated material shall be stacked, without excessive surcharge, on the trench bank or obstruction free access to hydrants or valves. Inconvenience to traffic and abutters (i.e., homes, driveways, etc.) shall be avoided as much as possible. Excavated material shall be segregated for use in backfilling as specified below.
- b. All excavated material which is either unsuitable for backfill or which will not be used for backfill in the same location (i.e., streets), shall be disposed of by the contractor at his own expense.
- c. Should conditions make it impracticable or unsafe to stack material adjacent to the trench, the material shall be hauled and stored at a location provided by the contractor.

d. All removed materials such as fitting, pipe, valves, hydrants, meter boxes, etc., shall be disposed of by the contractor at his own expense, unless otherwise instructed by the Parish. However, all water meters must be returned to Jefferson Parish Water Department.

5.8 Exploratory pits

Exploratory pits for the purpose of locating underground utilities or structures in advance of the construction may be excavated by the contractor. Exploratory pits shall be backfilled immediately after desired information has been obtained. The backfilled surface shall be restored and maintained in a manner satisfactory to the Parish. The cost of exploratory pits shall be no direct pay and included in the appropriate bid item.

5.9 Backfilling

a. As soon as the pipe has been laid, jointed, and tested (if required), backfilling shall begin and must be closely packed under and around the pipe.

b. Bedding material shall be placed and compacted. All foundation lumber (i.e., planking, sills, and stringers in the trench bottom) may be southern pine, Douglas fir or oak and shall be suitable for the purpose. Installation of foundation lumber and piling shall be in accordance with the Jefferson Parish Department of Engineering standard details.

After the required bedding has been placed, backfill material as indicated in section 5.2 (free from stones, pieces of lumber and other foreign material) shall be hand placed and hand tamped to a depth over the top of the pipe as required.

c. Wherever a grassed or shell/stone surface exists prior to excavation, it shall be removed, conserved, and replaced to the full original depth as part of the work under the pipe items. In some areas it may be necessary to remove excess material during the cleanup process so that the ground may be restored to its original level and condition.

d. Where the pipes are laid under streets, the remainder of the trench above the bedding and up to the bottom of the specified paving shall be backfilled in layers not to exceed twenty-four inches (24") and thoroughly compacted by using appropriate equipment.

e. Backfill around manholes shall be compacted by using appropriate equipment. All backfill shall be compacted, especially under and over pipes connected to the manholes.

f. Debris from paving shall not be placed in backfill.

g. All road surfaces adjacent to backfilling operations shall be broomed and hose-cleaned immediately after backfilling. Dust control measures shall be employed at all times.

5.10 Restoring trench surface

a. Where the trench occurs adjacent to paved streets, in shoulders, sidewalks, or in cross-country areas, the contractor shall thoroughly consolidate the backfill and shall maintain the surface as the work progresses. If settlement takes place, he shall immediately deposit additional fill to restore the level of the ground.

b. The surface of any driveway or any other area which is disturbed by the trench excavation, and which is not a part of the paved street, shall be restored by the contractor to a condition at least equal to that existing before work began.

c. In sections where the pipeline passes through grassed areas, the contractor shall re-grade and sod all disturbed areas.

5.11 Protection

Guard rails, curbing, and fencing in vicinity of the contractor's operations shall be adequately protected and, if necessary, removed and restored after backfilling, all curbing, fencing or guard rails which are damaged during construction shall be replaced with material fully equal to that existing prior to construction.

Division VI

6.0 Installation of new water main

6.1 Pre-stressed concrete pressure pipe

Concrete pressure pipe shall be lined cylinder pipe (lcp) as manufactured by the Price Brothers Company. All pipe joints shall be the "snap ring" restrained joint type. Pipe installation shall be in strict accordance with the manufacturer's recommendations.

The mortar coating of the pipe and fittings for the canal crossing and both riser pieces shall be painted with two coats of epoxy paint approved by Jefferson Parish.

6.2 Polyvinyl chloride (pvc) pipe (c-900)

(a) Polyvinyl chloride (pvc) force main pipe and fittings shall conform to AWWA-c-900, "polyvinyl chloride (pvc) pressure pipe, 4" through 12" for water class 150.

(b) The pipe shall be jointed with gasket, integral bell and spigot-type joints. Gaskets shall conform to f-477.

(c) Pipe shall be furnished in standard laying lengths not exceeding 21 feet.

(d) For pipes 14" in diameter and larger, pipe shall meet requirements of AWWA-c-905 "polyvinyl chloride (pvc) pressure pipe 14" and larger for water class 100.

(e) Restrained joints shall be provided as indicated in the Jefferson Parish Water standard detail sheets. Restrained joints shall be as specified. Suitable pvc/ductile iron adapters shall be provided.

(f) Polyvinyl chloride (pvc) pipe may be restrained using the restrainers as manufactured by EBAA iron (megalug).

(g) Both types of restraining glands shall be wrapped with an eight (8) mil thick polyethylene tube for additional protection. The polyethylene wrap shall extend a minimum of two feet (2') in either direction from the gland and secured on the end with circumferential turns of tape.

(h) All restrained joints shall be inspected at the job site after installation. Field touch-up and repair, if needed, shall be made by the contractor under the supervision and inspection of a representative of the coating supplier.

6.3 Pipe lying

Proper implements, tools and facilities satisfactory to the Parish shall be provided and used by the contractor for the safe and convenient progression of the work. All pipe and fittings, valves, and hydrants shall be carefully lowered into the trench piece by piece by means of a derrick, ropes or other suitable tools or equipment, in such a manner as to prevent damage to water line materials and protective coatings and linings. Under no circumstances shall water main materials be dropped or dumped into the trench. Every precaution shall be taken to prevent foreign material from entering the pipe while it is being placed in the line.

If the pipe-laying crew cannot pull the pipe into the trench and in place without getting earth into it, the Parish may require that before lowering the pipe into the trench, a heavy, tightly canvas bag of suitable size shall be placed over each end and left there until the connection is to be made to the adjacent pipe.

During the laying operations, no debris tools, clothing or other material shall be placed in the pipe.

The pipe and fittings shall be inspected for defects and, while suspended above grade, ductile iron pipe shall be rung with a light hammer to detect any cracks.

All lumps, blisters and excess coating shall be removed from the ends of each cast iron fitting, and the outside of the spigot and the inside of the bell shall be wire brushed and wiped clean and dry and free from oil and grease before the pipe is laid.

If earth mounds are used, they shall be of selected backfill tamped firmly before the pipe is placed. If wood blocks are used, they shall be furnished by the contractor and included in his installed price per foot of pipe. The wood blocks shall conform to sizes recommended by the pipe manufacturer. The earth under such blocks shall be tamped firmly before the pipe is placed. As backfilling and tamping progresses, the wood blocks shall be removed.

At times, when pipe laying is not in progress, the open ends of pipe shall be closed by a watertight plug or other means approved by the Parish. This provision shall apply during the noon hour as well as overnight. If water is in the trench, the seal shall remain in place until the trench is pumped completely dry.

6.4 Sterilization

All sterilization shall be performed by the contractor under supervision of Jefferson Parish Department of Engineering or Water; the contractor shall be responsible for the flushing of all lines, and for providing all necessary taps for the sterilization procedure. All work performed by the contractor in sterilizing and flushing and tapping the lines shall be under the direct supervision of the Department of Engineering or Water and there shall be no direct payment for either labor or materials. The cost of all work performed shall be included in the unit price bid for the size of pipe involved.

6.5 Pressure tests

The sections and complete pipe line shall be subjected to a hydrostatic test of not less than 100 pounds per square inch, based on the elevation of the lowest point in the line or section under test and corrected to the elevation of the test gauge. The test pressure shall be maintained for at least one (1) hours and for such longer time as the Parish may require.

In preparation for the pressure testing, the following minimum steps shall be taken.

- a. The pipe line shall be backfilled to the extent that it will be restrained from movement under pressure.
- b. All thrust blocks shall be permanent and constructed to withstand test pressures, and temporary bracing must not be used except at test ends.
- c. If test ends are used, the open end can be sealed with a line cap and shall be adequately braced with a temporary thrust block.

The contractor shall furnish all materials, equipment, and personnel for the test. The pipe line shall be slowly filled with water and all air shall be expelled from the line. At least 24 hours after filling the pipe, a pressure of 100 pounds per square inch shall be applied by a suitable mechanical test pump.

The pressure shall be held constant during the entire duration of the hydrostatic test.

Where leakage exists, the necessary repairs or replacements shall be made at no extra cost to the Parish and test shall be repeated as specified above.

6.6 Directional bore of HDPE pipe

All material required for completing the required bore of the HDPE pipe and connection to the existing water main shall be provided by the contractor. This shall include the fusion machine and a certified technician as required. The cost of this shall be reflected in the unit bid price per lf. Other work that may be required due to bore shall be paid under the appropriate items, such as taps, service renewal, restoration, etc.

Division VII

7.1 General

All required welding shall be in accordance with API standard 650, "welding procedures and welder qualifications", and AWWA 0120-78 and AWWA c206 or latest revision section 5.4, "field welds and abrasions". Certifications shall be submitted with the bid. All pipe joints shall receive full, 360 degrees circumferential weld in accordance with pipe supplier's recommendations.

Division VIII

8.0 Temporary signs and barricades

8.1 General

The furnishing and placement of all temporary signs and barricades shall be in accordance with the U. S. Department of Transportation, Federal Highway Administration "Manual on Uniform Control Devices: (MUTCD) as indicated within these specification, or as modified by the Jefferson Parish Department of Public Works, Traffic Engineering Division. All crews shall be required to provide proper signage to maintain adequate road closure and or safe traffic flow.

8.2 Execution

Maximum effort will be made to maintain a minimum of 50% of the roadway open to traffic at all times. On sections of roadway which are to be fully closed, the contractor shall provide access for local traffic during non-working hours.

All existing or temporary traffic control devices, which are no longer required, shall be removed or obliterated.

8.3 Payment

Payment for furnishing, installing and maintaining all traffic control devices will be considered as incidental to other items of work and will be done at no direct pay. In the event that additional traffic control devices are required above those generally accepted or called for by the "MUTCD", then the contractor shall be responsible at no additional cost, for furnishing, installing, maintaining, and subsequent removal of these additional traffic control devices for the duration of project.

Division IX

9.0 Landscaping

9.1 General

After all work has been completed and the areas outside the roadway surface fine-graded, all areas disturbed during construction shall be sodded, fertilized and watered.

9.2 Materials

a. Minimum of three inches (3") of topsoil shall be placed on all areas disturbed during construction. Soil stockpiled during construction may be used. If additional soil is required, it shall be fertile surface soil capable of supporting the growth of grass and plants.

b. The contractor shall make every attempt to salvage and reuse the existing grass surface. If additional grass sod is required it shall be the same as existed prior to construction and shall be laid continuously over the entire area.

c. Water as required to maintain growth with potable water.

9.3 Payment

The removal and replacement of the existing sod will be at no direct pay. Payment for additional sod will be made under the item "slab sodding" and will be measured by the square yard of finished surface. The unit price bid for "slab sodding" shall include all labor, material and equipment necessary to complete this item of work.

Division X

10.0 Hydra-stop fittings installation work

Contractor shall be required to use Parish-owned hydra-stop model 1d4120ths (large diameter rams) 4" - 16" tapping and hydra-stopping system with capability of expansion to 20" and hydra-stopping system (air motor saw mandrel drive). The use of the Parish hydro-stop machine must be under supervision of Jefferson Parish Water Department personnel. (Detail 11)

The following details shall be as follows:

10.1 Contractor shall follow procedures and instructions established by the manufacturer, (Hydra-Stop, Inc.) for installing the fittings using hydra-stop equipment.

10.2 Line stop fittings (line stop sleeves) shall be used for line sizes 4" through 16".

Division XI

11.0 Grand Isle

MOB/DEMOB – this will be a daily additive to invoice amount for each day work (exclusive of restoration work) is performed in Grand Isle only, whether contractor commutes to the Island or stays on the Island during the period of work if more than one day. NO other additional reimbursements related to Grand Isle work will be paid, i.e. hotels, meals, mileage, etc. Contractor must be aware of Island location and note that some day's work may be prohibited due to high tide water. No compensation is allowed for this.

Contractor will be paid 1 MOB/DEMOB per 4 sit (minimum) restoration work.

AFFIDAVIT

STATE OF LOUISIANA
PARISH OF JEFFERSON

BEFORE ME, THE UNDERSIGNED AUTHORITY, PERSONALLY CAME AND
APPEARED _____, WHO AFTER
BEING BY ME DULY SWORN, DEPOSED AND SAID THAT HE IS THE FULLY
AUTHORIZED _____ OF _____
(HEREIN AFTER REFERRED TO AS BIDDER) THE PARTY WHO SUBMITTED A
BID FOR _____, BID NO.

AND SAID AFFIANT FURTHER SAID:

- 1) That bidder employed no person, corporation, firm, association or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the bidder whose services in connection with the construction of the public building or project or in securing the public contract were in the regular course of their duties for bidder; and
- 2) That no part of the contract price received by bidder was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the bidder whose services in connection with the construction of the public building or project were in the regular course of their duties for bidder.
- 3) Said bid is genuine and the bidder has not colluded, conspired or agreed directly or indirectly with any other bidder to offer a sham or collusive bid.
- 4) Said bidder has not in any manner, directly or indirectly, agreed with any other person to fix the bid price of affiant or any other bidder, or to fix any overhead, profit or cost element of said bid price, or that of any other bidder, or to induce any other person to refrain from bidding.
- 5) Said bidder is not intended to secure an unfair advantage of benefit from the Parish of Jefferson or in favor of any person interested in the proposed contract.

SWORN TO AND SUBSCRIBED
BEFORE ME THIS _____
DAY OF _____, 20____

NOTARY PUBLIC

INSURANCE REQUIREMENTS

All insurance requirements shall conform to Jefferson Parish Resolution No. 113646 or No. 113647 dated 12/09/09.

The contractor shall not commence work under this contract until he has obtained all insurance and complied with the requirements of the specifications and Resolution No. 113646 or No. 1113647.

WORKER'S COMPENSATION INSURANCE

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

COMMERCIAL GENERAL LIABILITY

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

COMPREHENSIVE AUTOMOBILE LIABILITY

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.
Property Damage Liability \$1,000,000.00 each occurrence.

DEDUCTIBLES

No insurance required shall include a deductible not greater than \$10,000.00. The cost of the deductible be borne by the contractor.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

CONSTRUCTION AND RENOVATION PROJECTS REQUIRE THE FOLLOWING:

OWNER'S PROTECTIVE LIABILITY

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

BUILDER'S RISK INSURANCE

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.